


**REDRAVEN™**

## Services and Solutions

# SMART REPEATER

### Model ELD-FA-525-SP or AC enhances signal strength

Flowserve Wireless developed this solar or AC powered/battery backup repeater for signal enhancement. It attains an approximate range of 1.50 miles (2.41 km) for 900 MHz and 0.75 miles (1.21 km) for 868 MHz. Using a multiple Smart Repeater network, effective range is increased to 7.00 miles (11.27 km).



## Specifications

Operating frequency	900 MHz or 868 MHz
Repeater function 900 MHz	1.5 mi (2.41 km)
Repeater function 868 MHz	0.75 mi (1.21 km)
Operating temperature	-40°F to +185°F (-40°C to +85°C)
Humidity	0-95% non-condensing
Power requirement	110/220 VAC or solar power with battery backup
Consumption	60mA continuous
Enclosure	Fiberglass NEMA 4X, 17.53 in x 15.46 in x 6.23 in (445.26 mm x 392.68 mm x 158.24 mm). Note: Other sizes available.
Weight (Solar Power)	14.00 lb (6.35 kg) (Battery not included)
Weight (AC Power)	14.50 lb (6.58 kg) (Battery not included)

**Flowserve**  
TX, USA Model: ELD-FA-525-SP/AC Repeater



Ex nA IIC T6  
CI I, Div 2, Grp A,B,C,D; CI II, Div2, Grp E,F,G, T6  
CI I, Zone 2, A/Ex nA IIC T6 Type 4X  
-20°C ≤ Ta ≤ +40°C

Electrical Ratings: 115/230 Vac, 1.3/0.7A, 50-60 Hz  
CAUTIONS: OPEN CIRCUIT BEFORE REMOVING COVER.  
KEEP COVER TIGHT WHILE CIRCUITS ARE LIVE.

WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.  
DO NOT DISCONNECT BATTERY OR EQUIPMENT UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.  
USE ONLY POWER SONIC BATTERY PART NUMBER PS-12180.

Flowserve Corporation  
5215 North O'Connor Blvd.  
Suite 2300  
Irving, Texas 75039-5421 USA  
Telephone: +1 937 890 5839

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